Owner's Manual

15.1" LCD Color TV / Monitor

Model : LT-15AEP

500-008C

Warnings

WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING :
To reduce the risk of electric shock do not remove cover (or back).
No user serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING :
To prevent fire or shock hazard, do not expose the set to rain or moisture. Do not rub or strike the Active Matrix LCD with anything hard as this may scratch, mar, or damage the Active Matrix LCD permanently.

CAUTION:
Do not attempt to modify this product in any way without written authorization.

Power
This set operates on a DC supply provided by the AC-DC adaptor, the voltage is as indicated on the label on the back cover. Use only the AC-DC adaptor supplied with the set and never apply an AC mains to the set directly. The AC-DC adaptor operates on an AC mains supply, the voltage is as indicated on the label of the AC-DC adaptor.
a. Connect the DC plug of the AC-DC adaptor to the 12V socket of the set.
b. Connect the AC-DC adaptor and it°Øs power cord.
c. Connect the power cord to an AC mains.
In the event of thunderstorms or power cuts, please pull out the mains plug of the AC-DC adaptor and the aerial plug. Do not allow anything to rest upon or roll over the power cord, and do not place the set where the power cord is subject to damage.

Service
Never remove the back cover of the TV, this can expose you to high voltage and other hazards. If the TV does not operate properly, unplug it and call your dealer. Antenna Connect the antenna cable to the connection marked Ant. (on the rear). For best reception, use an outdoor antenna.

Warnings

Location
Position your TV so that no bright light or sunlight will shine directly on the screen. Do not expose the TV to vibration, moisture, dust or heat. Also ensure that the TV is placed in a position that allows a free flow of air. Do not cover the ventilation openings on the back cover. You can install the TV on a wall or place it on a table-top or similar flat surface. Mounted the TV securely to eliminate the risk of injury from the TV falling. Contact your Zenith dealer to purchase the optional ceiling mount.

Cleaning
Unplug the TV before cleaning the face of the LCD Screen. Dust the TV by wiping the screen and cabinet with a soft, clean cloth. If the screen requires additional cleaning, use a clean, damp cloth. Do not use liquid or aerosol cleaners.

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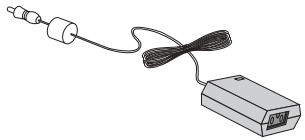
Supplied Accessories

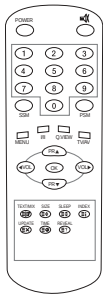
■ **Make Sure the following accessories are provided with Product.**

1. AC/DC adaptor

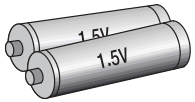


2. AC Cord

3. Remote controller

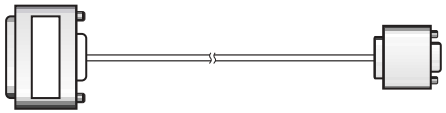


4. Batteries (type AAA)



5. Owner's manual

6. PC IN cable



7. PC Audio IN cable

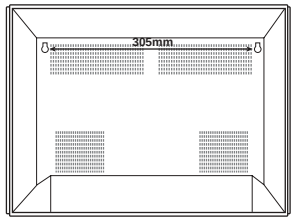
Installation

Installation Options
* You can install the TV on a wall or place it on a table-like surface.
* To eliminate any risk of injury from the TV falling, it should be mounted securely.

1. Wall Installation

Caution: Do not install the TV on a weak wall surface, like plaster etc. It is not needed any bracket or installation accessory with the exception of 2 nails or screws. Distance of holes of back panel is 305mm,

a. Drive 2 nails or screws on the wall, in the location you want to install the TV.
b. Hang the TV on the nails or screws.

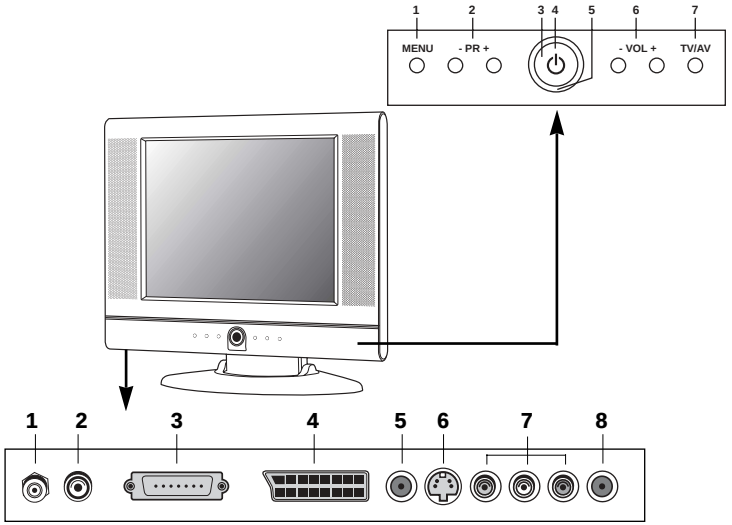


2. Desktop Installation

Controls

<<CONTROLLER OF PANEL>>

1. MENU
Displays a menu.
2. – PR + (Programme Up/Down)
Selects a programme or a menu item.
3. POWER STANDBY INDICATOR
Illuminates brightly when the TV is in standby mode. / Dims when the TV is switched on.
4. POWER Switches TV set on or off.
5. Remote control sensor Accepts the IR signal of remote controller.
6. –VOL+ (Volume Up/Down)
Adjusts the volume./ Adjusts menu settings.
7. TV/AV
Selects TV, SCART, VIDEO, S-VIDEO or PC mode / Clears the menu from the screen.



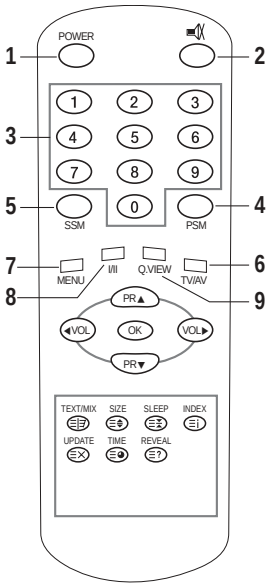
1 Ant. (Antenna input)
2. DC12V adaptor input
3. PC/DTV INPUT
4. SCART
5. HEADPHONE out
Connect a headphone to this socket.
6. S-VIDEO Input
Connect the output of an S -VIDEO VCR to the S-VIDEO input.
Connect the audio outputs of an S-VIDEO VCR to the AV-IN audio inputs.
7. A/V-IN Inputs
Connect the Audio/Video outputs of external equipment to these inputs.
8. PC Audio IN
Connect the audio cable from the PC to the **PC Audio IN** of the set.

Controls

All the functions can be controlled with the remote controller. Some functions can also be adjusted with the buttons on the front panel of the set.

Remote controller

Before you use the remote controller, please install the batteries.



1. POWER
Turns the TV on from standby ro off to standby mode.

2. MUTE
Turns the sound on and off.

3. NUMBER buttons
Select programme numbers.

4. PSM (Picture Status Memory)
Recalls your preferred picture setting

5. SSM (Sound Status Memory)
Recalls your preferred sound setting

6. TV/AV
Selects TV, SCART, VIDEO, S-VIDEO or PC mode.
Clears the menu from the screen.

7. MENU
Displays a main menu.

8. I/II
Selects the language during dual language broadcast.
Selects the sound output.

9. Q.VIEW
Returns to the previously viewed programme.

Controls

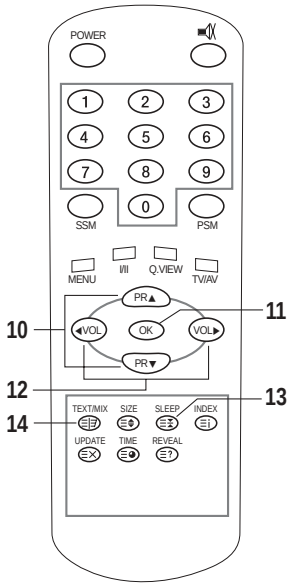
10. PR▲▼ (Programme Up/Down)
Selects next programme or a menu item.

11. OK
Accepts your selection or displays the current mode.

12. VOL◀▶ (Volume Up/Down)
Adjusts the sound level.
Adjusts menu settings.

13. SLEEP
Sets the sleep timer.
Note : In Teletext mode,
The **SLEEP** button is used for Teletext function.

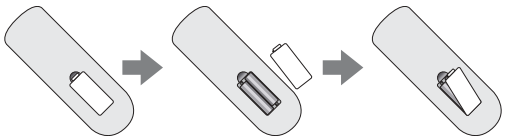
14. TELETEXT buttons
These buttons are used for Teletext.
For further details, see the 'Teletext' section.



Battery installation

■Inserting batteries

1. Remove the battery cover by pulling it upward in the direction shown by the arrow.
2. Insert the batteries with correct polarity ("+" to "+", and "-" to "-").
3. Replace the battery compartment cover.



* Install two high-quality 1.5V "AAA" alkaline batteries. Don't mix old batteries with new batteries.
*Remove batteries when you won't use the remote controller for long time. Liquid leakage from old batteries may cause operation failure.

■Notes for using remote controller

- Make sure there are no objects between the remote controller and its sensor.
- Don't place the remote control near a heater or in damp place. Strong impact to the remote control may cause operation failure.
- Signal from the remote control may be disturbed by sun light or other bright light. In this case, darken the room or move the TV.

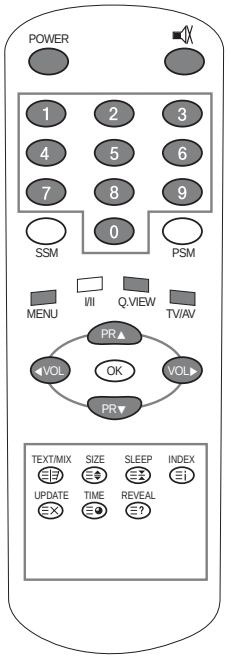
Basic Operation

Turning the TV On and Off

Standby Setup: The AC-DC converter and the AC power cord must be set up and connected to have the TV in standby mode ready to be turned on. Press the power button on the front panel of the TV to go into standby mode.

1. If the TV is in standby mode, press the Power button on the remote controller or the TV itself to turn the TV on.
2. Press the Power button again on the remote controller or the TV itself to turn the TV off.

Note : If the TV is on and the power button is pressed to turn the TV off, the TV goes into standby mode.



Programme selection

You can select a Programme number with the PR▲▼ button or NUMBER buttons.

Volume adjustment

Press the **VOL◀▶** button to adjust the sound level.

Quick view

Press the **Q.VIEW** button to view the last channel you were watching.

Sound mute function

Press the **MUTE** button. The sound is switched off and the mute display 🔇 appears.
To cancel mute mode, press the **MUTE** button again, **VOL◀▶ or SSM** button.

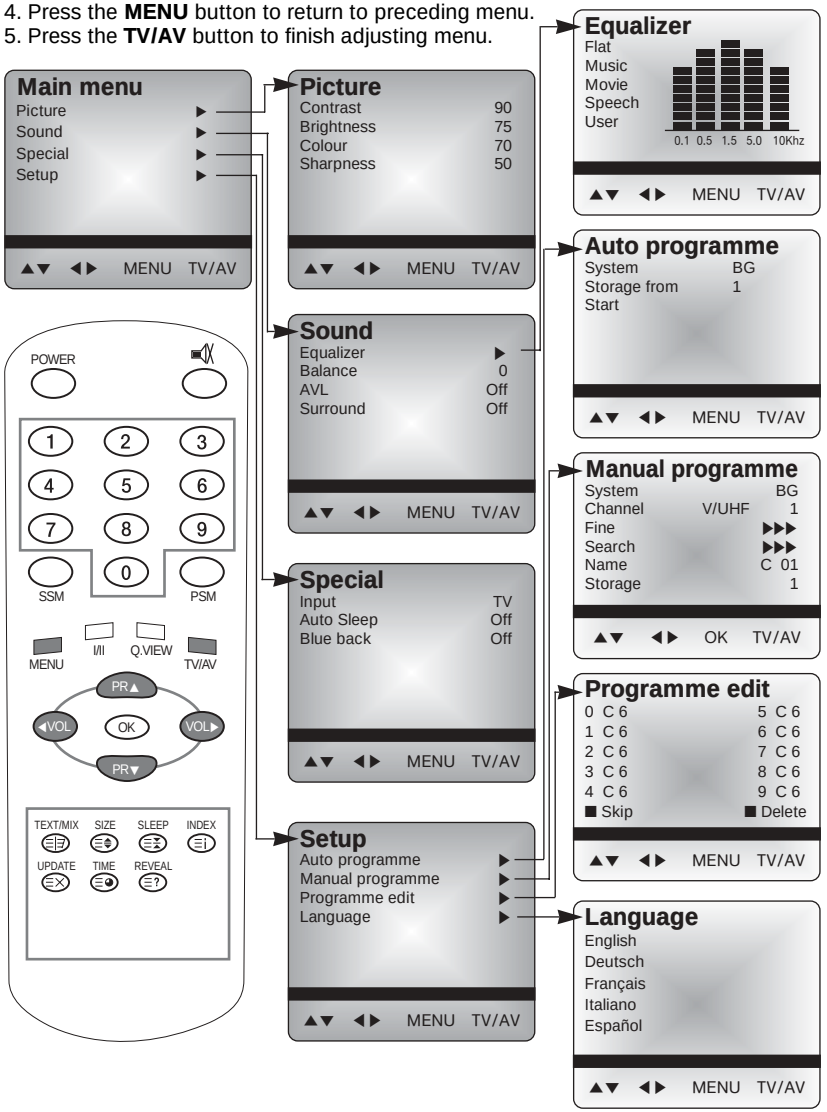
On screen menu language selection

The menu can be displayed on the screen in desired language.
First select your language.

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Select the **Language** menu.
4. Press the **PR▲▼** button to select your desired language.
5. Press the **TV/AV** button.
   All the on screen displays will appear in the selected language.

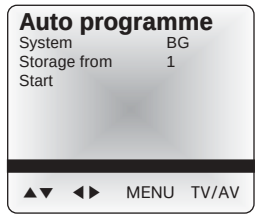
On Screen Menus and Displays

1. Press the **MENU** button to display main menu.
2. Press the **PR ▲▼** button to select menus-Picture, Sound, Special, Setup.
3. Adjust each menu with the **VOL◀▶** button.
4. Press the **MENU** button to return to preceding menu.
5. Press the **TV/AV** button to finish adjusting menu.



Setting up TV Programme

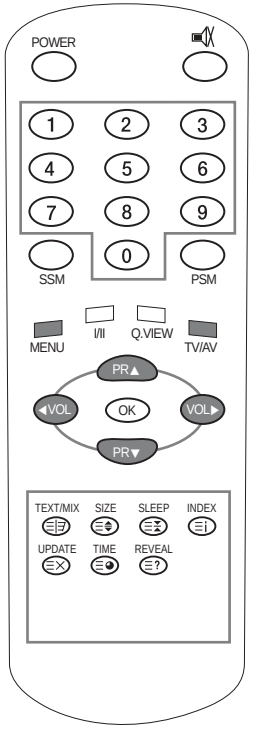
Once you have preset the programmes, you will be able to use the **PR▲▼** or NUMBER buttons to scan the programmes you programmed.
Programmes can be tuned using automatic or manual modes.



Auto programme

All programmes that can be received are stored by this method. It is recommended that you use Auto programme during installation of this set.

1. Press the **MENU button**.
2. Select the **Setup** menu.
3. Select the **Auto programme** menu**.**
4. Press the **PR▲▼** button to select **System**.
5. Select a TV system with the **VOL◀▶** button;
   BG : (Germany/Asia/M.East/Africa/Australia)
   I : (UK/Hong Kong/South Africa)
   DK : (CIS/China/East Europe)
6. Press the **PR▲▼** button to select **Storage from**.
7. Select the beginning programme number with the **PR▲▼** button or **NUMBER** buttons.
8. Press the **VOL◀▶** button to start Auto programme.
9. Press the **MENU** button to finish Auto programme.
10. Press the **TV/AV** button to return to normal TV viewing.



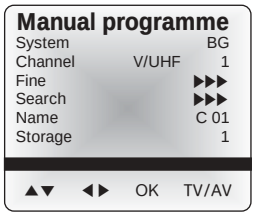
Setting up TV Programme

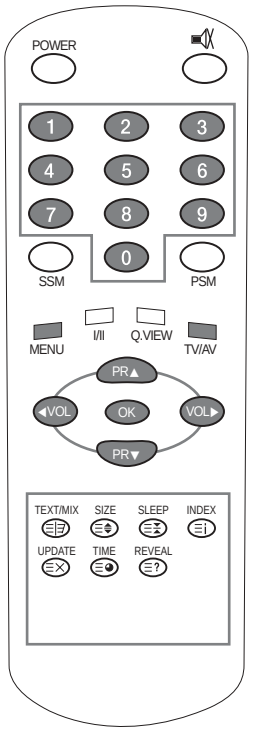
Manual programme

Manual Programme lets you manually tune and arrange the programmes in whatever order you desire. Also you can assign a programme name with 5 characters to each programme number.

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Select **Manual programme** menu.
4. Press the **PR▲▼** button to select **System**.
5. Select a TV system with the **VOL◀▶** button.
   BG : (Germany/Asia/M.East/Africa/Australia)
   I : (UK/Hong Kong/South Africa)
   DK : (CIS/China/East Europe)
6. Press the **PR▲▼** button to select Channe. Press the **VOL◀▶** button to select V/UHF or Cable as required. If possible, select the programme number directly with the **NUMBER** buttons.
7. Press the **PR▲▼** button to select **Search**. Press the **VOL◀▶** button to commence searching. If a channel is found the search will stop.
8. Press the **PR▲▼** button to select Name. Press the **VOL▶** button. You can use a blank +, -, the numeric 0 to 9, and the alphabet A to Z.
   *With the **VOL◀** button, you can select in the opposite direction.
8. If this Programme is the one required, press the **PR▲▼** button to select **Storage**. Select the desired programme number with the **VOL◀▶** button or **NUMBER** buttons.
9. Press the **OK** button to store it. The display **Stored** will appear.

To store another Programme, repeat steps 5 to 10.





Setting up TV Programme

Programme edit

This function enables you to delete or skip the stored programmes.
Also you can move some programmes to other programme numbers or insert a blank programme data into the selected programme number.

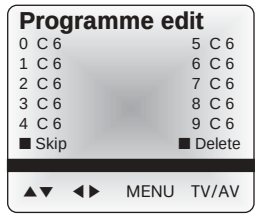
1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Press the **PR▲▼** button select **Programme edit**.
4. Select the programme name to edit with the **PR▲▼** and **VOL◀▶** button.

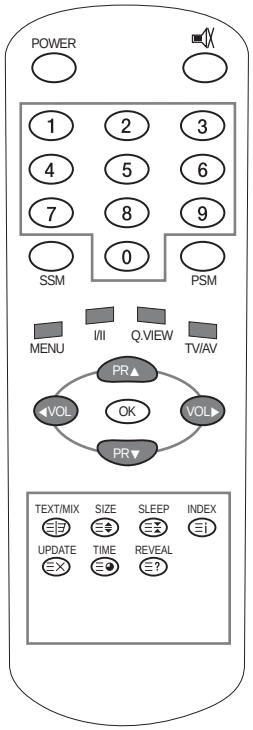
Skipping a Programme number

1. Select a programme to be deleted with the **PR▲▼** or **VOL◀▶** button.
2. Press the **GREEN** button. The skipped programme turns to blue.
3. Press the **GREEN** button again to release the skipped programme.
4. Press the **TV/AV** button to return to normal TV viewing.

Deleting a programme

1. Select a programme to be deleted with the **PR▲▼** or **VOL◀▶** button.
2. Press the **Yellow** button twice.
3. The selected programme is deleted, all the following programmes are shifted up one position.



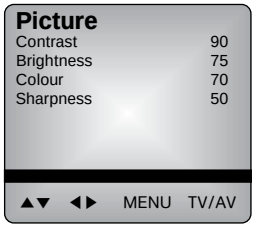


Picture Control

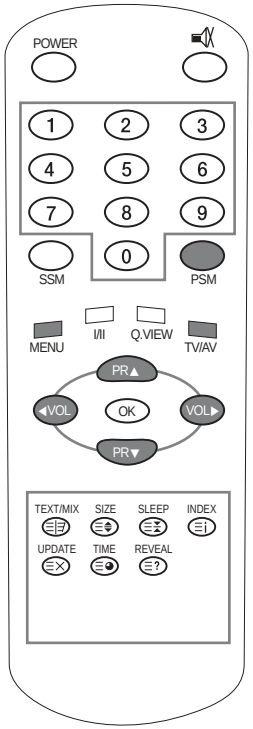
You can adjust picture Contrast, Brightness, Colour and Sharpness to the levels you prefer.

Manual Picture Control

1. Press the **MENU** button.
2. Select the **Picture** menu.
3. Press the **PR▲▼** button select a picture item.
4. Press the **VOL◀▶** button to adjust the picture condition as you want.
5. Press the **TV/AV** button to store for the picture **User**.



Selected Item	Setting Change
Contrast	More darkness VOL◀ 0~100 ▶VOL More light
Brightness	Less bright VOL◀ 0~100 ▶VOL More bright
Colour	Lower color intensity VOL◀ 0~100 ▶VOL Higher color intensity
Sharpness	Soft picture VOL◀ 0~100 ▶VOL Sharp picture



Auto Picture Control

*The Picture options - Dynamic, Standard, Mild, Game, and User are programmed for optimum reproduction at the factory and cannot be changed.

PSM (Picture Status Memory)

1. Press the **PSM** button.
2. Press the **PSM** button repeatedly to select [PSM].

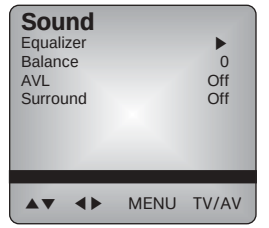
Each press of the button changes the screen display as below.

Dynamic → Standard → Mild → Game → User

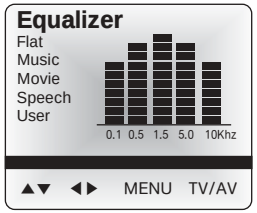
- **Dynamic** : Vivid Picture Appearance
- **Standard** : Standard Picture Appearance
- **Mile** : Softer Picture Appearance
- **Game** : External Video Game Picture Setup
- **User** : Manual Picture Setup

Sound Control

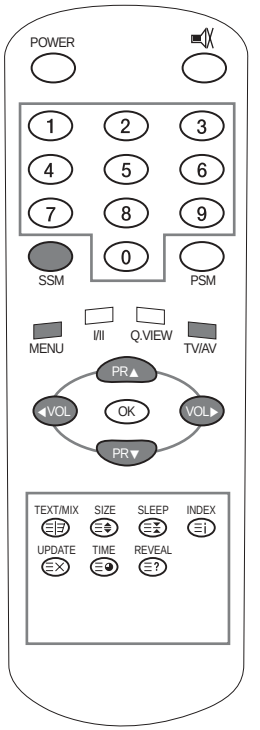
You can select your preferred sound setting; Flat, Music, Movie or Speech and you can also adjust the sound frequency of equalizer, balance. If you switch AVL to on, the set automatically keeps on an equal volume level even if you change programmes.



1. Press the **MENU** button.
2. Select the **Sound** menu.
3. Press the **PR▲▼** button to select the desired sound item; **Equalizer, Balance, AVL** or **Surround**.
4. Press the **VOL◀▶** button to make desired adjustment.
5. Press the **VOL▶** button in **Equalizer** to set the **Equalizer**.



6. Press the **PR▲▼** button to select your preferred setting ; **Flat**, **Music**, **Movie**, **Speech** or **User**.
   To set the **Equalizer User**.
   a. Select **User** by pressing the **PR▲▼** button.
   b. Select a sound band by pressing the **VOL◀▶** button.
   c. Make appropriate sound level with the **PR▲▼** button.
   d. Press the **MENU** button to return to preceding menu and the **TV/AV** button to return to normal TV viewing.



Auto Sound Control

* The sound **Flat**, **Music**, **Movie** and **Speech** are programmed for optimum reproduction at the factory and cannot be changed.

SSM (Sound Status Memory)

1. Press the **SSM** button.
2. Press the **SSM** button repeatedly to select.

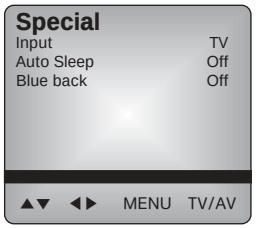
Each press of the button changes the screen display as below.

Flat → Music → Movie → Speech → User

Other functions

TV, SCART, VIDEO and S-VIDEO modes

(You can't set PC mode in this menu. Use the TV/AV button)
External equipment inputs: VIDEO or S-VIDEO mode are used for video devices like VCRs, DVDs, etc.), SCART, is used for component type devices.



Note : If a VCR is connected to the antenna jack, use TV mode. See External Equipment Connection section.

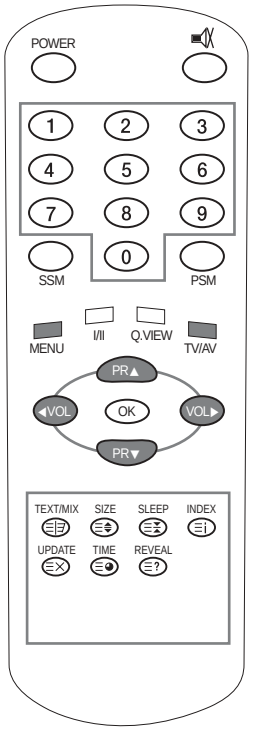
1. Press the **MENU** button.
2. Select the **Special** menu.
3. Press the **CH▲▼** button to select **Input**.
4. Press the **VOL◄►** button to select **TV, SCART, VIDEO and S-VIDEO.**

SCART : Device connected to the SCART jack.

VIDEO : VIDEO device connected to the TV's VIDEO Input.
S-VIDEO : S-VIDEO device connected to the TV's S-VIDEO Input.
PC : PERSONAL COMPUTER connected to the PC socket of the set

To return to TV mode, press the TV/AV buttons repeatedly.

Alternatively you can select the TV, SCART, VIDEO, S-VIDEO or PC mode by pressing the **TV/AV** button.



Auto sleep

If you select **Auto sleep On** the set will automatically switch itself to standby mode approximately ten minutes after a TV Channel stops broadcasting.

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the **PR▲▼** button to select **Auto sleep**.
3. Press the **VOL◄►** button to select **On**.
5. Press the **TV/AV** button to return to normal TV viewing.

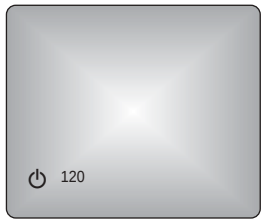
Blue back

Programme without a program signal appear in blue.

Other functions

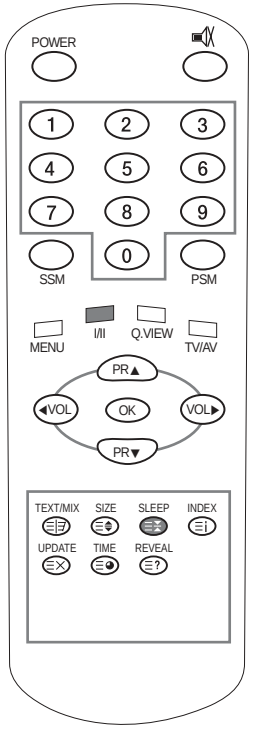
Sleep timer

You don't have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time elapses.
Press the **SLEEP** button to select the number of minutes. The display will appear on the screen, followed by **0**, **10**, **20**, **30**, **60**, **90**, **120**, **180** and **240**. The timer begins to count down from the number of minutes selected.
Note : a. To view the remaining sleep time, press the **SLEEP** button once.
b. To cancel the sleep time, repeatedly press the **SLEEP** button until the display appears.



Sound output selection

In VIDEO mode, you can select output sound for the left and right loud-speakers.
Repeatedly press the **I/II** button to select the sound output.
L+R : Audio signal from audio L input is sent to left loud-speaker and audio signal from audio R input is sent to right loud-speaker.
L+L : Audio signal from audio L input is sent to left and right loud-speakers.
R+R : Audio signal from audio R input is sent to left and right loud-speakers.



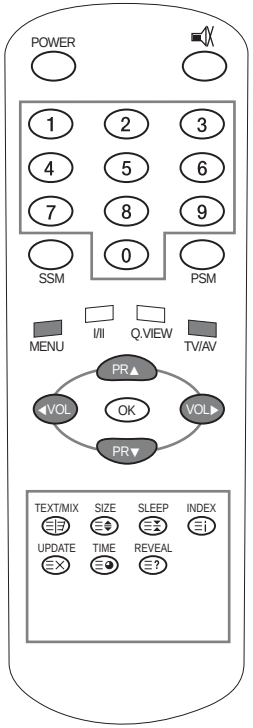
Teletext

TEXT On/Off

1. Press **TEXT/MIX** button once, displays the Teletext pages.
2. Press **TEXT/MIX** button once more, displays the Teletext pages superimposed on the **TV** picture.
3. Press the **TEXT/MIX** button to switch off Teletext once more, Text mode is off, and TV mode appears.

If you press **TEXT/MIX** button repeatedly, displays are changed as below.

TEXT → MIX → TV mode



TOP text

The user guide displays four fields-red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

Group/block/page selection

1. With the BLUE button you can progress from block to block.
2. Use the YELLOW button to proceed to the next group with automatic overflow to the next block.
3. With the GREEN button you can proceed to the next existing page with automatic overflow to the next group. Alternatively the ▲ button can be used.
4. The RED button permits to return to previous selection. Alternatively the ▼ button can be used

FLOF text

The Teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

Page selection

1. Press the INDEX button to select the index page.
2. You can select the pages, which are colour coded along the bottom line with the same coloured buttons.
3. The VOL◀▶ button can be used to select the preceding or following page.

Teletext

Special Teletext functions

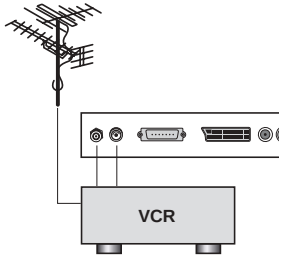
MENU		Functions
	TEXT/MIX	Changes Teletext mode ; Only Teletext mode, text mode superimposed on the TV picture, TV mode
	SIZE	Selects double height text. Press this button to enlarge the top half of the page. Press this button again to enlarge the bottom half of the page. Press this button again to return to the normal display.
	HOLD	Stops the automatic page change, which will occur if a Teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inhibited. To continue press this button again.
	INDEX	Return to index page
	UPDATE	Displays the TV picture on the screen while waiting for the new Teletext page. The display will appear at the top left hand corner of the screen. When the updated page is available then display will change to the page number. Press this button to view the updated Teletext page.
	TIME	When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display. In Teletext mode press this button to select and hold or change a four-digit sub page number. This is displayed along the bottom of the screen. Press this button again to exit this function.
	REVEAL	Press this button to display the concealed information, such as solutions of riddles or puzzles. Press this button again to remove the information from the display.

External Equipment Connection

You can connect additional equipment, such as VCRs, camcorders etc. to your set. Examples are shown below.

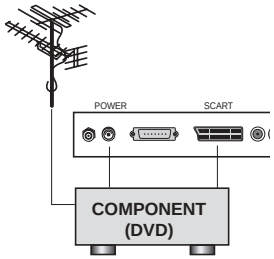
Antenna connection

1. Connect RF out on the VCR to the Antenna input on the rear of the TV.
2. Connect the antenna cable to the antenna in jackon the VCR.
3. Press the TV/AV button to select Antenna input source.
4. Press the PLAY button on the VCR.



SCART jack

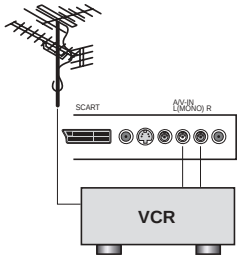
1. Connect the Video outputs (Y Cb Cr) on a DVD to the SCART on the TV.
2. Press the **TV/AV** button to select SCART mode.
3. Press the **PLAY** button on the DVD.



A/V INPUT

1. Connect the A/V out jacks on a VCR to A/V-IN jacks on the TV.
2. Press the **TV/AV** button to select **VIDEO** mode.
3. Press the **PLAY** button on the VCR.

The VCR playback picture appears on the TV screen.
Note : If you have a mono VCR, connect the audio cable from the VCR to the **A/V-IN** socket of the set.



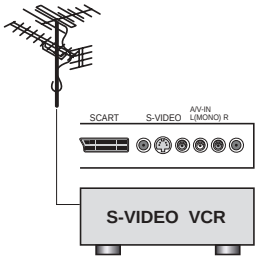
External Equipment Connection

S-VIDEO INPUT

If using an **S-VIDEO** source, the picture quality will be improved over a video source.

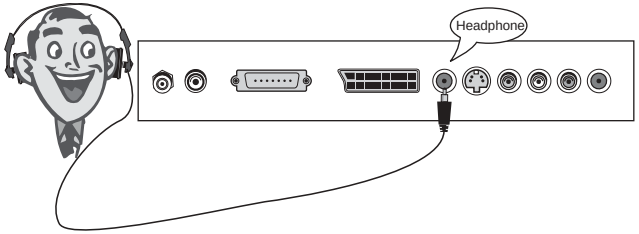
1. Connect the S-VIDEO output of a VCR to the **S-VIDEO** input on the TV.
2. Connect the audio cables from the S-VIDEO VCR to the **L (MONO) R** inputs on the TV.
3. Select **S-VIDEO** mode by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR.

The VCR playback picture appears on the screen.



Headphone jack

Insert the headphone plug to the headphone jack on the TV. You can listen to the sound through the headphone; no sound form the speaker on the TV. To adjust the headphone volume, press the VOL◀▶ button. If you press the **MUTE** button, the sound from the headphone is turned off.

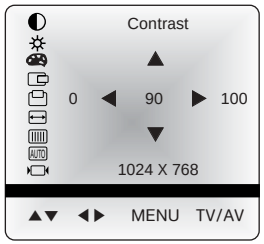


Connecting PC as monitor

Picture adjustment

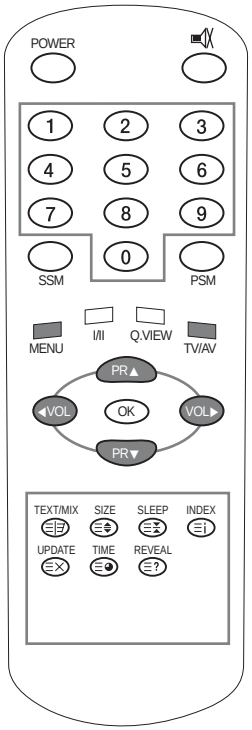
You can adjust picture Contrast, Brightness, Horizontal/Vertical position, Clock, Phase, Auto and Reset as you prefer.

1. Press the **TV/AV** button to select the PC mode.
2. Press the **MENU** button.
3. Press the **PR▲▼** button to select the desired picture item.
4. Press the **VOL◀▶** button to make appropriate adjustments.



- Contrast
- Brightness
- Temperature
- H-position
- V-position
- Clock
- Phase
- Auto
- Reset

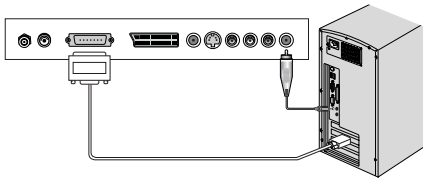
Contrast
This function is to adjust picture to light/dark.
Brightness
This function is to adjust brightness of picture.
Temperature
Temperature is a measure of the warmth of the image color.
Horizontal Position/Vertical Position
This function is to adjust picture to left/right and up/down as you prefer.
Clock
This function is to minimize any vertical bars or stripes visible on the screen background. And the horizontal screen size will also change.
Phase
This function allows you to remove any horizontal noise and clear or sharpen the image of characters.
Auto
This function is for the automatic adjustment of the screen position, clock and clock phase. The displayed image will disappear for a few seconds while the Auto-configuration is in process.
Note: Some signal from some graphics boards may not function properly. If the results are unsatisfactory, adjust your monitor's position, clock and clock phase manually.
Reset
This function allows you to return to the good picture reproduction programmed at the factory and cannot be changed.



5. Press the **TV/AV** button to store the adjustment.

Connecting PC as monitor

PC/DTV INPUT



1. Connect the PC IN cable (D sub jack) from the monitor output socket of the PC to the PC/DTV input socket of the set.
2. Connect the PC Audio IN cable from the PC to the **PC Audio IN** of the set.
3. Press the **TV/AV** button to select **PC** mode.
4. Switch on the PC, and the PC screen appears on the set.

The set can be operated as the PC monitor.

Note : If you have an Apple Macintosh, connect the VGA desktop block from the 3 rows 15 pin to 2 row 15 pin with the signal cable and connect the XGA desktop block to the Macintosh.

Resolution

Mode	Resolution	Horizontal frequency (KHz)	Vertical frequency (Hz)
VGA	640X480	31.5 KHz	60 Hz
	640X480	35 KHz	67 Hz
	640X480	37.9 KHz	72 Hz
	640X480	37.5 KHz	75 Hz
	640X480	43.5 KHz	85 Hz
	720X400	31.5 KHz	70 Hz
SVGA	800X600	35.2 KHz	56 Hz
	800X600	37.9 KHz	60 Hz
	800X600	48.1 KHz	72 Hz
	800X600	46.9 KHz	75 Hz
	800X600	53.7 KHz	85 Hz
(MAC)	832X624	49.7 KHz	75 Hz
XGA	1024X768	48.4KHz	60Hz
	1024X768	56.5 KHz	70 Hz
	1024X768	60.2 KHz	75 Hz
	1024X768	68.7 KHz	85 Hz

Note:
a. If the set is cold, there may be a small "flicker" when the set is switched on. This is normal, there is nothing wrong with the set.
b. Some dot defects may appear on the screen, like Red, Green or Blue spots. However, this will have no impact or effect on the monitor performance.

Product Spec.

Model	LT-15AEP	
Main body	Horizontal size 455 mm	Thickness 60 mm
	Height 424 mm	Weight 6.3 kg
Power requirements	DC 12V/3.0A	
Television system	PAL/ SECAM-BG, I, DK	
Television programnme	VHF: 2~12 UHF :21~69 Cable : S1~S41	
LCD Panel	LG Philips LCD 15.1" TFT LCD panel	
Resolustion	XGA(1024 X 768)	
Power consumption	45W	
External antenna impedance	75Ω	
Audio output	3W +3W	
Speaker output	8Ω X 2	
External input ports	• ANTENNA IN • PC IN • HEADPHONE JACK • AV IN	• DC 12V IN • SCART • S-VIDEO IN • PC AUDIO IN
AC Power Adaptor	AC 100~240, 50/60Hz Output : 12Vdc, 3.0A	

Troubleshooting

Problem	Check item
No picture on screen and no sound from speakers	• Insert the AC power cord plug securely in AC power outlet. • Make sure the remote control is not in the standby mode (The POWER/Standby indicator is red.) • Turn on the MAIN POWER button on the top of the display.
No picture/No picture from AV terminal	• Check the brightness setting of the display. • Lamp may have malfunction. • Make sure a cable with no VIDEO input signal is connected to the S-VIDEO INPUT terminal.
Picture is displayed, but no sound from the speakers.	• Check the sound setting. • Make sure the sound is not muted. • Make sure a pair of headphones is not connected. • Make sure the connectors of the optional speaker system are securely inserted. • Make sure the setting of AV OUTPUT terminal
Picture is too light	• Make sure COLOR and CONTRAST settings.
Picture is too dark.	• Make sure BRIGHTNESS setting is not set too low. • Check to see if BRIGHTNESS setting • Lamp may have malfunction.
Remote control does not work.	• Change the batteries. • Make sure the infrared transmitter window is not receiving strong light such as light from fluorescent lamps.
No picture from AV OUT terminal.	• Make sure AV INPUT is not set. • Make sure the input source other than AV
The picture is not sharp. The picture moves.	•The reception may be weak. • The state of the broadcast may also be bad. • Make sure the antenna is facing the right direction. • Make sure the outside antenna is not disconnected.
The picture is doubled or tripled.	• Make sure the antenna is facing the right direction. • There may be reflected electric waves from mountains or buildings.
The picture is spotted.	•There may be interference from automobiles, trains, high voltage lines, neon lights, etc. • There may be interference between the antenna cable and power cable. Try positioning them further apart.
There are stripes on the screen or colors fade.	• Is the unit receiving interference from other devices? Transmission antennas of radio broadcasting stations and transmission antennas of amateur radios and cellular phones may also cause interference. • Use the unit as far apart as possible from devices that may cause possible interference.

Limited Warranty

Memo

Memo